



TYPICAL PROPERTIES	TEST STANDARD	UNITS S.I.	5725B	5735B	5745B	5755B	5765B	5775B	5780B	5790B	5740DB	5750DB
DENSITY	ISO 1183	kg/m ³	930	930	950	970	970	970	970	970	960	960
HARDNESS (5 SEC DELAY)												
Extruded sample	ISO 868	Shore A	23A	34A	44A	55A	65A	72A	80A	87A	38D	49D
Injection molded sample		or D	26A	36A	46A	58A	68A	75A	82A	89A	40D	52D
TENSILE PROPERTIES												
Flow direction												
Tensile strength at break	ISO 37	MPa	1.5	2.6	3.0	4.6	6.3	7.3	9.0	13.4	18.0	21.5
Modulus at 100% elongation		MPa	1.1	1.7	2.1	3.1	4.2	4.9	6.8	9.8	13.3	18.0
Elongation at break		%	200	210	230	280	320	340	360	370	490	490
Cross flow direction												
Tensile strength at break	ISO 37	MPa	2.5	3.3	4.3	5.2	7.1	8.5	10.0	14.1	19.0	23.0
Modulus at 100% elongation		MPa	0.5	0.8	1.2	1.9	2.7	3.2	4.5	6.5	9.0	13.1
Elongation at break		%	510	530	540	550	570	590	590	600	640	640
TEAR STRENGTH												
Cross flow direction												
Unnicked angle	ISO 34B	kN/m	9	10	17	21	29	35	47	70	88	140
COMPRESSION SET												
22 hrs @ 23°C	ISO 815	%	10	12	13	17	21	23	28	36	46	55
22 hrs @ 70°C		%	20	23	26	27	30	32	41	49	58	67
70 hrs @ 125°C		%	51	42	42	42	44	47	60	72	80	85
HOT AIR AGING												
Cross flow direction												
168 hrs @ 150°C												
Change in hardness	ISO 188	pts	-3	1	-2	-2	1	2	-1	1	3	3
Change in tensile strength at break		%	-4	2	2	-12	-13	-10	-12	-13	-22	-16
Change in modulus at 100% elongation		%	-7	8	1	-2	-4	2	7	10	5	15
Change in elongation at break		%	-18	12	12	-2	-5	-11	-20	-20	-25	-25
1000 hrs @ 135°C												
Change in hardness	ISO 188	pts	-1	0	-2	1	2	3	1	1	3	4
Change in tensile strength at break		%	-4	-5	-7	-6	-7	-8	-10	-7	-20	-20
Change in modulus at 100% elongation		%	-7	4	0	3	5	4	10	14	9	24
Change in elongation at break		%	-24	15	14	10	-2	-7	-19	-20	-25	-30
VOLUME SWELL												
70 hrs @ 125°C in IRM 903 oil	ISO 1817	%	71	110	120	99	91	88	73	60	47	38
APPARENT SHEAR VISCOSITY												
@ 206 1/s, 200°C	ISO 11443 Capillary	Pa.s	140	210	280	315	340	330	330	350	400	430

FEATURES

- Engineered for optimum extrusion performance for interior and exterior applications
- Low fogging and exceptional color retention without blooming
- Best in class UV stability among all TPVs on the market
- Available from 25 Shore A to 50 Shore D in black only
- Well-balanced rheological properties for a broad processing window with good melt strength
- Controlled morphology for optimal surface appearance
- Good recovery behavior

TRANSPORTATION SEGMENT

- Sealing Systems
- Exteriors

Revised April 2018

AMERICAS

505 Central Avenue
Pawtucket, RI 02861 USA
401-725-8000 | 800-556-3862

EUROPE

Mijnweg 1
6167AC Geleen, Netherlands
31(0) 46 7020950

ASIA

41 Shipyard Road
Singapore 028134
(011) 65-6265-2544



tpe@teknorapex.com | www.teknorapex.com

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in any medical or food contact application without the prior written acknowledgment of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries. Data contained in this bulletin supercedes all previous versions. © Copyright 2018 Teknor Apex Company. All rights reserved.