

# Grade slate

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Exxelor™ polymer resins are used to enhance the performance of a variety of engineered thermoplastics and other technical polymers. They are based on functionalized elastomeric and polyolefinic polymers and are produced through reactive extrusion.

With Exxelor polymer resins, characteristics such as resistance to impact at low temperature, improved homogeneity and surface aspects in filled compounds can be advanced compared with untreated materials.

Exxelor polymer resins are chemically modified polyolefins that introduce polarity in apolar polymers by maleic anhydride grafting.

## Exxelor polymer resin VA grades

Exxelor VA polymer resins improve the overall toughness of polyamide blends at a broad range of service temperatures.

Grade	Backbone	Grafting level	MFR (g/10 min)*	Low temperature capability
VA 1801	EPDM	High	9.0 (10 kg, 230°C)	High
VA 1803	EPDM	High	22.0 (10 kg, 230°C)	Very high
VA 1840	Plastomer	Medium	8.0 (5 kg, 230°C)	Medium
VA 1202	Plastomer	High	18.0 (5 kg, 230°C)	Room temperature

\*Based on ASTM D1238

## Exxelor polymer resin PO and PE grades

Exxelor PO/PE polymer resins improve compatibility between most commonly used polar polymers and polyolefins hence they promote chemical bonding between fillers, reinforcements and the polymer matrix in a composite material.

Grade	Backbone	Grafting level	MFR (g/10 min)*
PO1015	PP (copo)	Medium	22.0 (1.2 kg, 190°C)
PO1020	PP (homo)	High	110 (1.2 kg, 190°C)
PE1040	HDPE	High	1.4 (2.16 kg, 190°C)

\*Based on ASTM D1238

## Packaging

Exxelor polymer resins are free flowing pellets that are packed in 25kg bags. They are generally delivered with 50 bags/pallet, 450 kg octabins or 1000 kg big bags with the exception of Exxelor VA1803 polymer resin which is only delivered in cardboard boxes containing 40 bags per box.

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