Hifax TRC 135X/4 Black

Compounded Polyolefin

Product Description

PP/EPR-Blend, 20% mineralfilled, impact modified, with ultra low shrinkage and high flowability for painted exterior applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Features	High Flow , Paintable, Low Shrinkage, Impact Modified
Typical Customer Applications	Exterior Applications, Automotive Parts, Body Panels

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	1.05	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	11	g/10 min
Mechanical			
Tensile Modulus (23 °C, 50 mm/min)	ISO 527-1, -2	1400	MPa
Tensile Stress at Yield (23 °C, 50 mm/min)	ISO 527-1, -2	17.0	MPa
Tensile Strain at Break (23 °C, 50 mm/min)	ISO 527-1, -2	550	%
Flexural modulus (23 °C, 2 mm/min)	ISO 178	1500	MPa
Impact			
Charpy unnotched impact strength	ISO 179		
(23 °C)		No Break	kJ/m²
(-30 °C)		No Break	kJ/m²
Charpy notched impact strength	ISO 179		
(23 °C, Edgewise, Notch A)		72	kJ/m²
(-30 °C, Edgewise, Notch A)		8	kJ/m²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	95	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	110	°C

Additional Properties

Shrinkage after 48h/RT according to internal Basell methode on plaques, l.: 0.35%
Shrinkage after 48h/RT according to internal Basell methode on plaques, q.: 0.55%
CLTE, DIN 53752, 23 to 80°C: 4.3e-5 1/K

Notes

Typical properties; not to be construed as specifications.