

Technical Data Sheet

Hifax TRC 1230P E5 C12A37



Polypropylene Compounds

Product Description

Hifax TRC 1230P E5 C12A37 is a UV stabilised mineral filled polypropylene based compound for injection moulding.

The grade has been specifically designed for moulding of bumpers and large complex exterior trim parts that require energy management combined with ductility, stiffness and impact resistance over a broad temperature range. This material exhibits excellent processability and dimensional stability and very good scratch resistance. This grade is delivered in C12A37 color version which refers to Tesla exterior color NEU_110e. This product is also available in other colors, new colors can be developed depending on customer requirements.

Application	Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	High Flow; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	ISO 1133-1
Density, (23 °C)	1.07	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2200	MPa	ISO 178/A1
Tensile Stress at Yield, (23 °C)	19	MPa	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	40	kJ/m ²	ISO 179-1/1eA
(-40 °C)	3.5	kJ/m ²	ISO 179-1/1eA
Thermal			
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	55	°C	ISO 75B-1, -2