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Technical Data Sheet

Hifax TRC 221P YZ9A BLK

Polypropylene Compounds

Product Description

Hifax TRC 221P YZ9A BLK high melt flow, medium high flexural modulus, UV-stabilized, mineral-filled thermoplastic elastomeric olefin (TEO) resin combines processability with an excellent impact/stiffness balance. The grade is typically used for molding of large complex parts that require high impact strength as well as good stiffness.

Status	Commercial: Restricted
Availability	North America
Application	Bumpers; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Copolymer; Good Impact Resistance; Good Stiffness; High Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	1.04	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C, 2 mm/min)	1500	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	17	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C, Type 1, Notch A)	47.0	kJ/m²	ISO 180
(-40 °C, Type 1, Notch A)	3.4	kJ/m²	ISO 180
Thermal			
Heat Deflection Temperature A, (1.80 MPa, Unannealed)	48	°C	ISO 75A-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			

Notes

These are typical property values not to be construed as specification limits.