

# Hifax DRL 781P

Thermoplastic Polyolefin Elastomer  
LyondellBasell Industries

Message:

Hifax DRL 781P medium high melt flow, 900 MPa flexural modulus, UV-stabilized, mineral-filled thermoplastic elastomeric olefin (TEO) resin has a very good combination of properties, processability, and weatherability. It was designed for a variety of automotive exterior ornamentation applications.

General Information			
Filler / Reinforcement	Mineral		
Additive	UV Stabilizer		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Stiffness		
	Good Weather Resistance		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.0	MPa	ISO 527-2
Tensile Strain (Yield)	11	%	ISO 527-2
Flexural Modulus	900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	3.5	kJ/m <sup>2</sup>	
23°C	28	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	48.0	°C	ISO 75-2/A

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