

Hanwha Total PP BI492

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BI492 is a polypropylene compound offering balanced rigidity and impact strength, and long-term heat-resistance. BI492 displays outstanding flexural modulus, surface hardness and thermal deformation temperatures, due to production using high crystalline PP.

General Information			
Features	Crystalline		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Weather Resistance		
	High Heat Resistance		
	High Stiffness		
	Medium Rigidity		
Uses	Automotive Exterior Parts		
	Automotive Interior Parts		
	Automotive Interior Trim		
	Housings		
	Tanks		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (2.00 mm)	1.4 to 1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.4	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1770	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	39	J/m	
23°C	78	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	130	°C	ASTM D648

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