

Hanwha Total PP TB82R

High Crystallinity Polypropylene
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

TB82R is a rubber/filler modified polypropylene based on HIPP (High Isotactic Polypropylene). This grade can satisfy diverse users needs with their properties for specific applications.

The major applications of TB82R are instrument panel for automotives and front pillar for automotives.

General Information			
Features	Good Processability		
	High Flow		
	High Impact Resistance		
	High Stiffness		
	Isophthalic		
	Low Gloss		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Instrument Panel		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	24.5	MPa	
Break	20.6	MPa	
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	49	J/m	
23°C	230	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	130	°C	ASTM D648

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