

Hanwha Total PP TH74ST

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

TH74ST is a polypropylene compound used in the meter-housings in automobiles.

General Information			
Features	Good Dimensional Stability		
	High Heat Resistance		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Housings		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 to 1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.4	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	4810	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	25	J/m	
23°C	34	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	146	°C	ASTM D648

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