

Hanwha Total PP RB83T

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

RB83T is a polypropylene compound and is a EPR modified material designed for automobile bumper facia. It features high-impact strength and weatherproof stability when used on automobile bumper facia. In addition, this grade exhibits appropriate anti-heat levels, resistance to strain, and excellent processability. When formed, RB83T also features an improved external finish, superior size stability and peel resistance.

General Information			
Features	Good Processability		
	Good Surface Finish		
	Good Weather Resistance		
	High Impact Resistance		
	Low Temperature Impact Resistance		
Uses	Automotive Bumper		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow	5.0E-3 to 9.0E-3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.6	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	78	J/m	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

