

# TOTAL Polypropylene PPR 8473

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 8473 is a low melting, high ethylene random copolymer with improved color, optics and impact properties. The very low melting point of 8473 makes it an excellent heat seal layer for oriented films. 8473 is available with custom slip and antiblock packages. 8473 complies with all applicable FDA regulations Title 21 CFR Section 177.1520(c) 3.1 and may be used under these provisions for food contact and packaging. 8473 is recommended for use in non-oriented film processes for manufacture of packaging films that require improved optical and impact properties and as a heat seal layer for oriented films.

General Information			
Features	Food Contact Acceptable		
	Good Heat Seal		
	Good Impact Resistance		
	Heat Sealable		
	High Clarity		
	Opticals		
Uses	Film		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
	EU 2003/11/EC		
	EU 76/769/EC		
	EU 94/62/EC		
	FDA 21 CFR 177.1520(c) 3.1		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.895	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.6	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus - 1% Secant, MD	345	MPa	ASTM D882
Tensile Strength - MD (Break)	20.7	MPa	ASTM D882
Tensile Elongation - MD (Break)	500	%	ASTM D882
Dart Drop Impact	240	g	ASTM D1709

Seal Initiation Temperature	120	°C	
Water Vapor Transmission <sup>1</sup>	14	g/m <sup>2</sup> /24 hr	ASTM E96
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	134	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	85		ASTM D2457
Haze	2.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	199 to 232	°C	
NOTE			
1.	100°F, 90% RH		

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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

