REPOL® H080EY

Reliance Industries Limited - Polypropylene Homopolymer

General Information

Product Description

Repol H080EY is recommended for use in TQ (Tubular Water Quench) Film. It contains slip and antiblock additives. Repol H080EY is an ideal material to use in textile overwraps, packaging of readymade garments, snack food, grocery and general-purpose packaging.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• North America	
Additive	• Antiblock	• Slip	
Features	• Antiblocking • Food Contact Acceptable	• General Purpose • Homopolymer	• Slip
Uses	• Bags • Cast Film	• Film • Food Packaging	• General Purpose • Packaging
Agency Ratings	• FDA 21 CFR 177.1520	• IS 10910	• IS 16738:2018
Processing Method	• Cast Film		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
Dynamic	0.20		
Static	0.25		

Films	Nominal Value	Unit	Test Method
Tensile Strength - MD (Yield, 40 µm)	23.0	MPa	ASTM D882
Tensile Strength - TD (Yield, 40 µm)	20.0	MPa	ASTM D882
Tensile Strength - MD (Break, 40 µm)	34.0	MPa	ASTM D882
Tensile Strength - TD (Break, 40 µm)	33.0	MPa	ASTM D882
Tensile Elongation - MD (Break, 40 µm)	550	%	ASTM D882
Tensile Elongation - TD (Break, 40 µm)	750	%	ASTM D882

Optical	Nominal Value	Unit	Test Method
Gloss			ASTM D2457
20°	70		
60°	115		
Haze			ASTM D1003
20.0 µm	3.20	%	
40.0 µm	8.00	%	

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	200 to 240	°C

Notes

[1] Typical properties: these are not to be construed as specifications.