

# Polylink Polymer P-21020-T (IM)

Compounded Polypropylene

Polylink Polymers (India) Ltd.

Message:

Filled Polypropylene compounds are manufactured by compounding Polypropylene with fine fillers (i.e. mica, chalk, talc, glass). Additives like antioxidants, lubricant, processing aid and desiccant are added to improve long term thermal and processability. The compounds used directly or diluted with desired grades of polypropylenes show good dispensability and excellent balance of properties in the ultimate product. The fillers in the compound incorporates certain important properties those are essential for ultimate product. The modification are as below.

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Features	Impact modification		
	Homopolymer		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm <sup>3</sup>	Internal method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Moisture Content	< 600	ppm	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	17.2	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	44.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150 - 690	J/m	ASTM D256
Extrusion	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	0.50	hr	
Cylinder Zone 1 Temp.	190	°C	
Cylinder Zone 2 Temp.	200	°C	
Cylinder Zone 3 Temp.	210	°C	
Cylinder Zone 4 Temp.	215	°C	
Cylinder Zone 5 Temp.	220	°C	
Extrusion instructions			
Zone 6 : 230°C			

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## 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

