

Technical Data Sheet

PCR HDPE Regranulate White

Product Code: 001802

Recycled Content: 100 % PCR (post-consumer)

Product Description:

001802 PCR HDPE Regranulate White comes from post-consumer recycled materials in Asia and is suitable for extrusion and film blowing applications. The material is Recyclclass (EN15343) and GRS certified.



Physical Property	Value	Units	Test Standard	Test Condition
Density / Specific Gravity	/	g/cm ³	GB/T 1033-2008	
Melt Mass Flow Rate (MFR)	1.2 ± 0.2	g/10min	GB/T 3682-2018	190°C, 5KG
Tensile Strength	27 - 31	MPa		50mm/min
Elongation at Break	750 - 900	%		50mm/min
Flexural Strength	/	MPa	GB/T 9341-2008	2mm/min
Flexural Modulus	/	MPa	GB/T 9341-2008	2mm/min
Ash Content	<0.2	%	GB/T 9345-2008	800°C
Moisture Content	/	%	GB/T 6284-2006	105°C
Impact Strength (Charpy)	/	KJ/M ²	GB/T 1843-2008	Notched

Typical Processing Conditions

Processing Parameter	Condition	Optimum	Range	Unit
Drying Temperature		90		°C
Drying Time		2		h

Typical Processing Conditions				
Processing Parameter	Condition	Optimum	Range	Unit
Injection Temperature	Nozzle	180		°C
Injection Temperature	Zone 1	200		°C
Injection Temperature	Zone 2	190		°C
Injection Temperature	Zone 3	180		°C
Injection Pressure	Stage 1	70		bar
Injection Pressure	Stage 2	55		bar
Injection Speed	Stage 1	55		%
Injection Speed	Stage 2	35		%

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