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v1.5

Technical Data Sheet

PCR HDPE Regranulate Natural

Product Code: 001801

Recycled Content: 100 % PCR (post-consumer)

Product Description:

001801 PCR HDPE Regranulate Natural comes from post-consumer recycled materials in Asia and is suitable for extrusion and film blowing applications. The material is Recyclass (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	/	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

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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		%

Disclaimer

This information contained herein is based on the data available to us and is believed to be correct. However, Sinox makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Each user of the products shall convince himself through all available sources (including finished product testing in its appropriate environment) of the suitability of the products supplied for its particular purpose.

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