

HDPE range for WPC

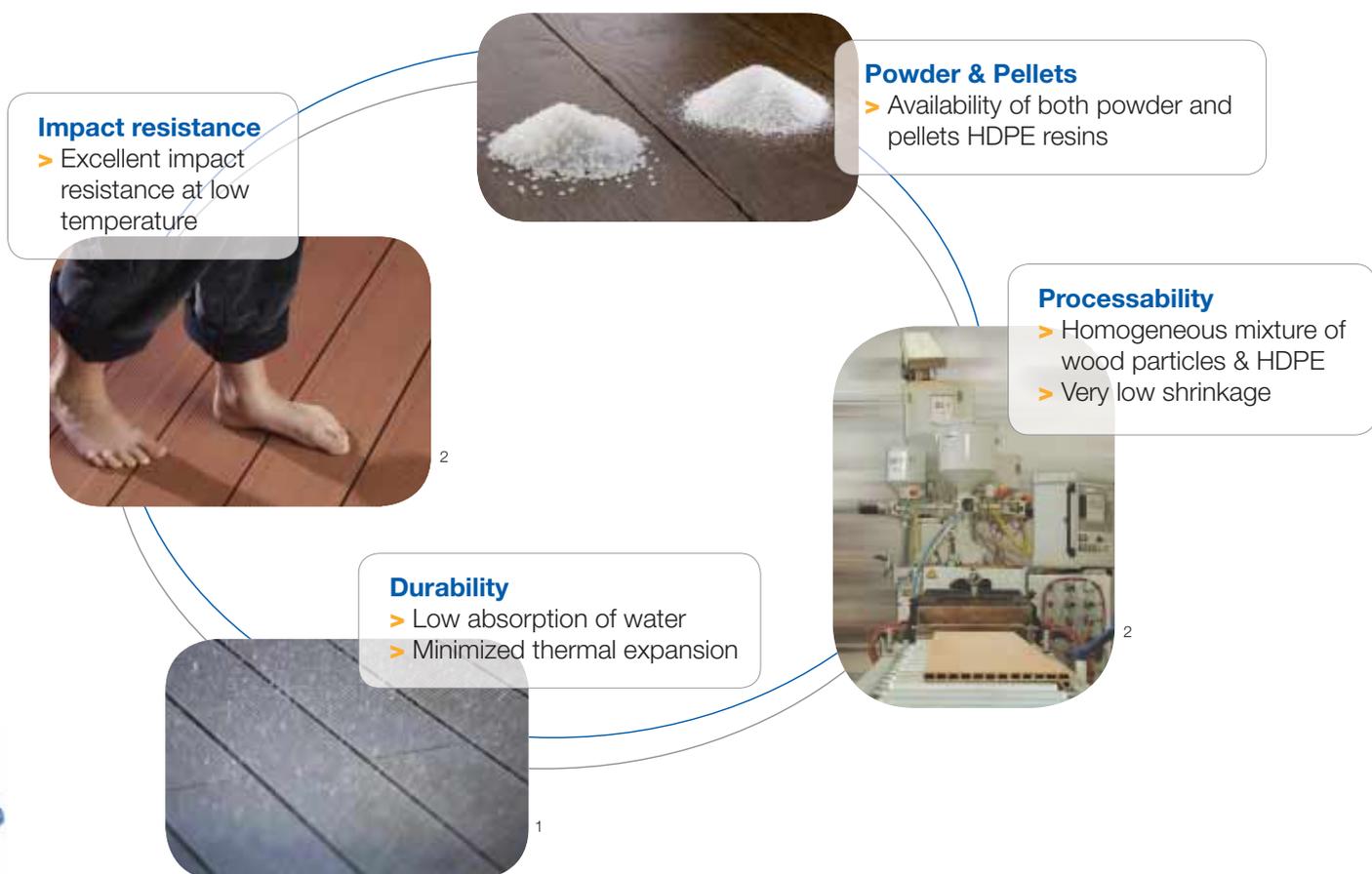
(Wood Plastics Composites)

Polyethylene

Over the last 40 years, Total Petrochemicals has positioned itself as one of the HDPE market leaders. Its extensive HDPE product range is used in a broad area of applications, utilising processing techniques such as extrusion blow moulding, sheet & film extrusion, pipe extrusion, rotational & injection moulding.

The perfect blend

In addition, the benefits of our HDPE product range are clearly observed in wood plastic composites (WPC). In particular our powder resin HDPE 56020 S brings a homogeneous mixture allowing a wood content up to 75%, which results in cost-effective and enhanced WPCs.



1 Courtesy of Plastic Technologies
2 Courtesy of Kosche (Kovalex)



Committed to your application: Powder & Pellets

Whether you require pellets or powder resins, Total Petrochemicals has a HDPE grade to suit you. Both our pellet & powder grades completely fulfil the increasing demands for cost-effective and enhanced WPCs.

Thanks to a powder particle size which is similar to that of wood flour, our powder grade HDPE 56020 S enables a very homogeneous mixture of wood and plastic, leading to high-quality WPCs.

Powder



Pellets



HDPE product range for WPC

Grade		Main properties				
		Density	Melt flow rate 21.6 kg - 190°C	Flexural Modulus	Charpy impact strength	Charpy impact strength
		g/cm ³	g/10 min	MPa	kJ/m ² (23°C)	kJ/m ² (-30°C)
		ISO 1183	ISO 1133/G	ISO 178	ISO 179	ISO 179
56020 S	Powder	0.952	2.1	1100	75	50
5802	Pellets	0.957	22	1300	18	9

Contact us

If you wish to evaluate all the potential of our product range in your WPC application, please contact your regular Total Petrochemicals sales representative or contact us at:

Marketing and Sales

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