

# دیتاشیت PP R۴۰ (شیمی پل)

## Polypropylene heterophasic copolymer

### EPC40R



ISO 9001:2000  
Certificate No.: CH98/8032

ISO 14001:2004  
Certificate No.: CH03/0112

OHSAS 18001:1999  
Certificate No.: CH05/0675

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Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	7
Flexural Modulus	D790	MPa	1350
Notched Izod Impact@23°C	D256	J/m	95
Notched Izod Impact@-20°C	D256	J/m	40
Tensile Strength@Yield	D638	MPa	27
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	150
HDT(0.46N/mm <sup>2</sup> )	D648	°C	88
Rockwell Hardness	D785	R Scale	86
Oven Aging@150°C	D3012	Hours	1000

> Values shown are averages & are not to be considered as product specifications.

#### ❖ Main application & Characteristics:

**Moplen EPC40R** is a heterophasic polypropylene copolymer designed for injection moulding battery cases & technical items. The product offers an excellent balance of mechanical properties & process ability & features an excellent long-term heat-stability. Articles moulded with **Moplen EPC40R** offer a good balance of stiffness & toughness, good surface properties & a very high resistance to chemicals & crazing.

**Moplen EPC40R** is largely used for automotive components. Battery cases, cooling water compensation reservoirs, brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims & door trim panels are typical applications.

In the electro-technical industries, **Moplen EPC40R** is used for appliance, cables & wires (e.g. as slotted core element in fibre optic cables).

\* **Moplen EPC40R** is suitable for food contact.

